

Application of Criteria for a Project of Air Quality Concern

Project Title: Menlo Park - Willow Rd Traffic Signal Modification

Project Summary for Air Quality Conformity Task Force Meeting: (October 24, 2013)

Description

- Project will modify 9 traffic signals on Willow Road between Middlefield Road and Hamilton Avenue by upgrading the traffic signal controllers and cabinets and upgrading the vehicle and pedestrian signal heads.
- Project will also purchase and deploy traffic signal adaptive software modules to establish a traffic signal coordinated adaptive system along the Willow Road corridor.
- Project will improve traffic signal synchronization beyond the Time of Day coordination plan implemented in 2012 on Willow Road in conjunction with the MTC PASS Project.
- Project will make use of the new traffic signal communication (fiber optics) infrastructure that C/CAG is currently installing in conjunction with its SMART Corridor project.

Background

- NEPA process for Categorical Exclusion almost complete
- No comments received on air quality thus far
- Seeking air quality conformity determination on or before (October 24, 2013)

Not a Project of Air Quality Concern (40 CFR 93.123(b)(1))

(i) New or expanded highway projects with significant number/increase in diesel vehicles? —Not Applicable

(ii) Affects intersections at LOS D, E, or F with a significant number of diesel vehicles?

- Diesel vehicles represent 5.9% of intersection traffic volume
- Intersections at LOS range from A thru E, LOS values improve in the build scenario and delays decrease in the build scenarios in both analysis years
- No project changes to land use that would affect diesel traffic percentage

(iii) New bus and rail terminals and transfer points?—Not Applicable

(iv) Expanded bus and rail terminals and transfer points?—Not Applicable

(v) Affects areas identified in PM_{10} or $PM_{2.5}$ implementation plan as site of violation?

- No state implementation plan for $PM_{2.5}$ (
- Therefore, not identified in plan as an area of potential violation